

Docket No. AUS920040056US1

**ABSTRACT OF THE DISCLOSURE**

**APPARATUS, METHOD, AND COMPUTER PROGRAM PRODUCT FOR  
MONITORING AND CONTROLLING A MICROCOMPUTER USING A SINGLE  
EXISTING PIN**

A method, apparatus, and computer program product are disclosed for monitoring and controlling a device using only one input/output (I/O) communication pin of the device. The pin is configured to be used to both transmit and receive data. Logical ones are generated using pulses that are a first length and logical zeros are generated using pulses that are a second length. The device is communicated with utilizing the generated logical ones and generated logical zeros by transmitting the logical ones and zeros to the device, and receiving the logical ones and zeros from the device utilizing the single I/O pin.